

ABSTRACT OF THE DISCLOSURE

METHOD FOR MANAGEMENT OF THE DYNAMIC RANGE OF A RADIOLOGICAL IMAGE

A method for management of dynamic range of a radiological image by processing an acquired image by subjecting context components as well as components of the details of the image to contrast expansion factors whose value depends on a signal of the context image, at the position of the concerned pixels. A signal in terms of gray levels or in terms of acquired doses is converted into a radiological thicknesses signal carry out the processing. At the end of the processing, the dynamic range of the processed image is reset so that it corresponds to that of a radiology apparatus, especially by compression. If desired, the factors are modified as a function of a choice made by the user.